BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

1ST AND FINAL BILL

Name of work: Improvements to Roads, Drains and Clverts at Marthinagara, Badrappa Layout and Surrounding area at Kodigehalli Ward No. 08.

Estimated Cost : Rs. 60.00 Lakhs

Head of Account : P-3522

Job Code: 008-19-000041

Name of Agency: Sri Gangulureddy.A, # 490/B, 12th C Cross, Vyalikaval, Malleshwaram, Bangalore - 560003.

Work order No: BBMP/EE/BTP/WO/06/2020-21 Date:11.05.2020.

	Measurements Recarded on :	28-09-2020						
Sl. No.	Description of work	No	L	B	D	Qty	Rate	Amount
1	Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.							
		Cum						
	Qty as per Premeasurement Vide E- MB Page No. 01 is =					376.00	250.00	94000.00
2	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.465cum and fine aggregtes @ 0.58cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.							
		Cum						
	Qty as per Premeasurement Vide E- MB Page No. 02 is =					56.40	5600.00	315840.00
3	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.							
		Cum						
	6th Cross Maruthinagar R/S	1	30.00	0.30	0.10	0.90		
		1	30.00	0.30	0.10	0.90		
		1	30.00	0.30	0.10	0.90		
		1	30.00	0.30	0.10	0.90		
		1	30.00	0.30	0.10	0.90		
		1	9.00	0.30	0.10	0.27		
	6th Cross Maruthinagar L/S	1	30.00	0.30	0.10	0.90		
		1	30.00	0.30	0.10	0.90		
		1	30.00	0.30	0.10	0.90		
		1	30.00	0.30	0.10	0.90		
		1	30.00	0.30	0.10	0.90		
	8th A Cross Road R/S	1	30.00	0.30	0.10	0.90		
		1	5.00	0.30	0.10	0.15		
	8th A Cross Road L/S	1	30.00	0.30	0.10	0.90		
		1	5.00	0.30	0.10	0.15		

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P., Bangalore.

11.37

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer, Kodigehalli Sub Division.

Sl. No.	Description of work	No	L	B	D	Qty	Rate	Amount
				Total Qty =		11.37		
				Qty Limited to =		11.28	5800.49	65430.00
4	Providing laying palin / reinforced cement concrete for side drains using M 20 nominal mix concrete with OPC at 300 kgs with 20 mm and down size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed well compacted for walls and bottom including cenmtering shuttering form work etc. complete as per approved drawing and design MORTH Specification No. 1500,1700,2200 Wall & Bottom thickness 15cm							
	Bottom Concrete	Cum						
	6th Cross Maruthinagar R/S	1	30.00	0.90	0.15	4.05		
		1	30.00	0.90	0.15	4.05		
		1	30.00	0.90	0.15	4.05		
		1	30.00	0.90	0.15	4.05		
		1	30.00	0.90	0.15	4.05		
		1	9.00	0.90	0.15	1.22		
	6th Cross Maruthinagar L/S	1	30.00	0.90	0.15	4.05		
		1	30.00	0.90	0.15	4.05		
		1	30.00	0.90	0.15	4.05		
		1	30.00	0.90	0.15	4.05		
		1	30.00	0.90	0.15	4.05		
	8th A Cross Road R/S	1	30.00	0.90	0.15	4.05		
		1	5.00	0.90	0.15	0.68		
	8th A Cross Road L/S	1	30.00	0.90	0.15	4.05		
		1	5.00	0.90	0.15	0.68		
	6th Cross Maruthinagar R/S	2	30.00	0.15	0.60	5.40		
		2	30.00	0.15	0.60	5.40		
		2	30.00	0.15	0.60	5.40		
		2	30.00	0.15	0.60	5.40		
		2	30.00	0.15	0.60	5.40		
		2	9.00	0.15	0.60	1.62		
	6th Cross Maruthinagar L/S	2	30.00	0.15	0.60	5.40		
		2	30.00	0.15	0.60	5.40		
		2	30.00	0.15	0.60	5.40		
		2	30.00	0.15	0.60	5.40		
		2	30.00	0.15	0.60	5.40		
	8th A Cross Road R/S	2	30.00	0.15	0.60	5.40		
		2	5.00	0.15	0.60	0.90		
	8th A Cross Road L/S	2	30.00	0.15	0.60	5.40		
		2	5.00	0.15	0.60	0.90		
				Total Qty =		119.39		
				Qty Limited to =		118.44	7100.00	840924.00
5	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications TMT Steel Fe 50							
		Tonne						
	Qty as per Premeasurement Vide E- MB Page No. 03 is =					7.11	75300.00	535383.00
6	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete							
		No						
	6th Cross Maruthinagar R/S	1	30.00		/0.45	67		
		1	30.00		/0.45	67		

Assistant Engineer

Assistant Executive Engineer

Sl. No.	Description of work	No	L	B	D	Qty	Rate	Amount
		1	30.00		/0.45	67		
		1	30.00		/0.45	67		
		1	30.00		/0.45	67		
		1	9.00		/0.45	20		
	6th Cross Maruthinagar L/S	1	30.00		/0.45	67		
		1	30.00		/0.45	67		
		1	30.00		/0.45	67		
		1	30.00		/0.45	67		
		1	30.00		/0.45	67		
	4th Cross Road	1	30.00		/0.45	67		
	5th Cross Road	1	30.00		/0.45	67		
		1	8.00		/0.45	18	704	
				Total Qty =		838	842	
				Qty Limited to =		836	450.00	376200.00
7	Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications							
		Sqm						
	6th Cross Maruthinagar R/S	1	30.00		0.45	13.50		
		1	30.00		0.45	13.50		
		1	30.00		0.45	13.50		
		1	30.00		0.45	13.50		
		1	30.00		0.45	13.50		
		1	9.00		0.45	4.05		
	6th Cross Maruthinagar L/S	1	30.00		0.45	13.50		
		1	30.00		0.45	13.50		
		1	30.00		0.45	13.50		
		1	30.00		0.45	13.50		
		1	30.00		0.45	13.50		
	4th Cross Road	1	30.00		0.45	13.50		
	5th Cross Road	1	30.00		0.45	13.50		
		1	10.00		0.45	4.50		
				Total Qty =		170.55		
				Qty Limited to =		170.10	41.00	6974.00
8	Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications							
		Sqm						17010.00
			Qty Vide Item No. 7			170.55 / 170.10	100.00 / 100.00	17055.00
9	Removing and refixing stone slabs of drains and pointing in CM (1:3)							
		Sqm						
	Qty as per Premeasurement Vide E- MB Page No. 04 is =					1350.00	120.00	162000.00
10	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete							
		Sqm						
	4th Cross Road R/S	1	14.80		1.35	19.98		
		1	16.90		1.35	22.82		
	4th Cross Road L/S	1	12.50		1.35	16.88		
		1	11.90		1.35	16.07		
	5th Cross Road R/S	1	11.30		1.35	15.26		

Assistant Engineer

90.91

Assistant Executive Engineer,
Assistant Executive Engineer

Sl. No.	Description of work	No	L	B	D	Qty	Rate	Amount
	Th na Bakery Road	2	30.00		0.90	54.00		
		2	12.00		0.90	21.60		
	9th Cross Road	2	30.00		0.90	54.00		
		2	10.00		0.90	18.00		
	8th Cross Road	2	25.00		0.90	45.00	192.60	
			Total Qty =			900.90		
			Qty Limited to =			898.20	2550.00	2290410.00
	Sub Total						5600008	5600053.00
	For 12% Applicable GST						672001	672006.00
							Total Rs	6272059.00

6272009

6,27,2000

Assistant Engineer
Ward No. 08

Assistant Executive Engineer
Kodigehalli Sub Division

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

62,72,000

BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

PRE-MEASUREMENT

Name of work: Improvements to Roads, Drains and Clverts at Marthinagara, Badrappa Layout and Surrounding area at Kodigehalli Ward No. 08

Estimated Cost : Rs. 60.00 Lakhs

Head of Account : P-3522

Job Code: 008-19-000041

Name of Agency: Sri Gangulureddy .A, # 490/B,12th C Cross, Vyalikaval, Malleshwaram, Bangalore - 560003.

Work order No: BBMP/EE/BTP/WO/06/2020-21 Date:11.05.2020.

	Measurements Recarded on :	17-08-2020				
Sl. No.	**Description of work**	**No**	**L**	**B**	**D**	**Qty**
1	**Earth work excavation** by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications					
	For RCC Drain	Cum				
	6th Cross Maruthinagar R/S	1	30.00	1.00	1.00	30.00
		1	30.00	1.00	1.00	30.00
		1	30.00	1.00	1.00	30.00
		1	30.00	1.00	1.00	30.00
		1	30.00	1.00	1.00	30.00
		1	9.00	1.00	1.00	9.00
	6th Cross Maruthinagar L/S	1	30.00	1.00	1.00	30.00
		1	30.00	1.00	1.00	30.00
		1	30.00	1.00	1.00	30.00
		1	30.00	1.00	1.00	30.00
		1	30.00	1.00	1.00	30.00
	8th A Cross Road R/S	1	30.00	1.00	1.00	30.00
		1	5.00	1.00	1.00	5.00
	8th A Cross Road L/S	1	30.00	1.00	1.00	30.00
		1	5.00	1.00	1.00	5.00
		Total Qty =				**379.00**
		Qty Limited to =				**376.00**

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P., Bangalore.

Assistant Engineer
Ward No. 08

Assistant Executive Engineer
Kodigehalli Sub Division

Sl. No.	Description of work	No	L	B	D	Qty
	Measurements Recarded on :	19-08-2020				
2	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.465cum and fine aggregtes @ 0.58cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.					
	For Drain	Cum				
	6th Cross Maruthinagar R/S	1	30.00	1.00	0.15	4.50
		1	30.00	1.00	0.15	4.50
		1	30.00	1.00	0.15	4.50
		1	30.00	1.00	0.15	4.50
		1	30.00	1.00	0.15	4.50
		1	9.00	1.00	0.15	1.35
	6th Cross Maruthinagar L/S	1	30.00	1.00	0.15	4.50
		1	30.00	1.00	0.15	4.50
		1	30.00	1.00	0.15	4.50
		1	30.00	1.00	0.15	4.50
		1	30.00	1.00	0.15	4.50
	8th A Cross Road R/S	1	30.00	1.00	0.15	4.50
		1	5.00	1.00	0.15	0.75
	8th A Cross Road L/S	1	30.00	1.00	0.15	4.50
		1	5.00	1.00	0.15	0.75
		Total Qty =				**56.85**
		Qty Limited to =				**56.40**

Assistant Engineer
Ward No. 08

Assistant Executive Engineer
Kodigehalli Sub Division

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Sl. No.	Description of work	No	L	B	D	Qty
	Measurements Recarded on :	24-08-2020				
5	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications TMT Steel Fe 50					
	RCC Drain	Tonne				
		Nos	L	M	Kg/m	Kgs
	10 mm	1446	2.20	3181.20	0.62	1972.34
	8 mm	16	159.00	2544.00	0.39	992.16
	10 mm	1364	2.20	3000.80	0.62	1860.50
	8 mm	16	150.00	2400.00	0.39	936.00
	10 mm	335	2.20	737.00	0.62	456.94
	8 mm	16	35.00	560.00	0.39	218.40
	10 mm	335	2.20	737.00	0.62	456.94
	8 mm	16	35.00	560.00	0.39	218.40
						7111.68
					Total Qty =	7.11
					Qty Limited to =	7.11

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

Assistant Engineer
Ward No. 08

Assistant Executive Engineer
Kodigehalli Sub Division

Sl. No.	Description of work	No	L	B	D	Qty
	Measurements Recarded on :	24-08-2020				
9	Removing and refixing stone slabs of drains and pointing in CM (1:3)					
		Sqm				
	4th Cross Road	2	30.00		1.35	81.00
		2	30.00		1.35	81.00
		2	15.50		1.35	41.85
	5th Cross Road	2	30.00		1.35	81.00
		2	30.00		1.35	81.00
		2	15.00		1.35	40.50
	Shiva Provision Store Road	2	30.00		1.35	81.00
		2	30.00		1.35	81.00
		2	13.00		1.35	35.10
	Thirtha Bakery Road	2	30.00		1.35	81.00
		2	12.00		1.35	32.40
	9th Cross Road	2	30.00		1.35	81.00
		2	10.00		1.35	27.00
	8th Cross Road	2	30.00		1.35	81.00
		2	12.50		1.35	33.75
	7th Cross Road	2	30.00		1.35	81.00
		2	15.80		1.35	42.66
	6th Cross Road	2	30.00		1.35	81.00
		2	5.00		1.35	13.50
	Cross Road	2	30.00		1.35	81.00
		2	30.00		1.35	81.00
		2	12.00		1.35	32.40
				Total Qty =		1352.16
				Qty Limited to =		1350.00

Assistant Engineer
Ward No. 08

Assistant Executive Engineer
Kodigehalli Sub Division